

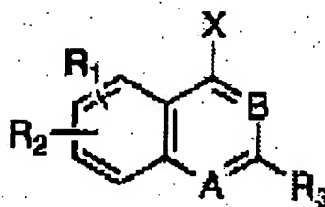
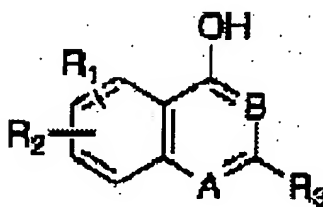
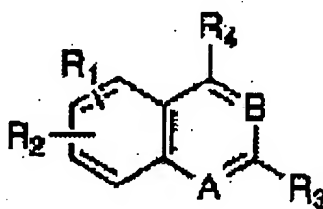


## MicroPatent® PatSearch Fulltext: Record 1 of 1

**Search scope:** US Granted US Applications EP-A EP-B WO JP (bibliographic data only)  
DE-C,B DE-A DE-T DE-U GB-A FR-A

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**JP08003144 A**  
**QUINAZOLINE AND QUINOLINE DERIVATIVE**  
CHUGAI PHARMACEUT CO LTD

**Abstract:**

**PURPOSE:** To obtain the subject new compound, having actions as a potassium channel opener and useful as a vasodilator capable of manifesting strong vasodilator actions. **CONSTITUTION:** This compound is expressed by formula I [A and B are each N or CH; R<sub>1</sub> and R<sub>2</sub> are each H, a lower alkyl, a lower haloalkyl, a lower alkoxy, etc.; R<sub>3</sub> is H, a (substituted) lower alkyl or a (substituted) aryl; R<sub>4</sub> is a heterocyclic ring group, a carbamide, a carbothioamide, a cyanamide, etc.] and its pharmaceutically permissible salt, e.g. 2-ethyl-4-(1,2-dihydro-2-oxopyridyl)-6-nitroquinazoline. The compound of formula I is obtained by reacting a compound of formula II with a phosphorus halide, a phosphoryl halide or a thionyl halide, providing a compound of formula III (X is a halogen) and then reacting the resultant compound with a compound of the formula, R<sub>4</sub>H in the presence of a suitable base in an inert solvent at 0-150°C.

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C07C31744 C07D21550 C07D40104 C07D40304 A61K03147 A61K031505

**Patents Citing This One (1):**

➡ WO9854148 A2 19981203 ISIS INNOVATION LIMITED  
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